TRANSMITTAL

610 407 0701

10/017,865

December 7, 2001

T-770 P.003/029 F-74

Approved for use through 04/St/2003. OMS 0651-0031 atent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Filing Date

Application Number

Affidavits/Declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 Signature Affidavits/Declaration(Change of Correspondence Address Terminal Disclaimer Nother Enclosure(s) (please identify below): Request for Refund Contified Copy of Priority Document(s) Remarks: Signature Of APPLICANT, ATTORNEY OR AGENT Firm or Individual Signature Signature Alian Ratner, Reg. No. 19,717 Jack J. Jankovitz. Reg. No. 42,690 Signature		FORM		First Named Inventor	Mitsuaki Os	snima .
Total Number of Pages in This Submission 34 Altomicy Dock! No. MT\$-520U\$4	(to o	c used for all correspondence after initia	f filing)	Art Unit	2134	
ENCLOSURES (Check all that apply) Fee Transmittal Form				Examiner Name	Paul E. Cal	lahan
Fee Transmittal Form Fee Attached Drawing(s)	Tota	al Number of Pages in This Submission	n 34	Altorney Dockel No.	MTS-520US	\$4
Fee Transmittal Form Fee Attached Drawing(s)		E	ENCLOSUR	ES (Check all that	apply)	
Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY OR AGENT Firm or Individual Signature Allan Ratner, Reg. No. 19,717 Jack J. Jankovitz. Reg. No. 42,690	Amen	Fransmittal Form Fee Attached adment/Reply After Final Affidavits/Declaration(s) asion of Time Request ass Abandonment Request nation Disclosure Statement	Draw Licen Petiti Petiti Provi Chan Addri Term Requ	ing(s) sing-related Papers on on to Convert to a sional Application or of Attomey, Revocati ge of Correspondence ess inal Disclaimer est for Refund	ion, [to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietery Information Status Letter Other Enclosure(s) (please identify below):
- Series All Control of the Control	Firm or Individual	Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE Allan Ratner, Reg. No. 19,717		CANT, ATTORNEY	OR AGEN	T
	Data	April 1 2002	1	K/	}	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 US.C. 122 and 37 CFR 1.74. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and solect option

PTO/SB/22 (10-00) (AW 01/17/02)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE,
Undor the Paperwork Reduction Act of 1985, no persons are required to a collection of information unless it displays a valid OMB control number.

PETITION FOR EXTENSION	OF TIME UNDER 3	7 CFR 1.136(a)	Docket Number (Optional) MTS-520US4
	In re Application of	Mitsuaki Oshima et al	•
	Application Number	10/017,965	Filed December 7, 2001
	MARK ON OPT	TICAL DISK, REPROD	THOD OF FORMING LASER DUCING APPARATUS, RODUCING OPTICAL DISK
	Group Art Unit 2134	Examiner Paul E. Callahan	
This is a request under the properties response in the above identifi			_
The requested extension and (check time period desired):	appropriate non-small-	entity fee are as follov	vs
. D Four months (7 CFR 1.17(a)(2)) (37 CFR 1.17(a)(3))		\$ <u>110</u> \$ \$ \$ \$
above is reduced by o	entity status. See 37 one-half, and the resultion of the fee is enclosed	ing fee is: \$	the fee amount shown
Payment by credit can	d. Form PTO-2038 is a	attached.	
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or credit any overpay	sit Account. hereby authorized to cl ment, to Deposit Accou plicate copy of this she	unt Number	may be required,
April 1, 2003 Date		Allan	Signature Ratner, Reg. No. 19,717
			Jankovitz, Reg. No. 42,690
NOTE: Signatures of all the inventors or as	signans of moord of the ansie	<u></u>	ped or printed name
forms if more than one signature is require	d, see below"	e interest or view representa	avafot era tadnisan. Scount umnbis
☑ *Total of 1 form is submitted.			

Burden Hour Statement: This form its estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Officer, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Parenta, Washington, DC 20231.

FROM-RatnerPrestia

	••
Date: APRIL 1,	2003
Assistant Commissioner for Patents; Please admowledge receipt of the documenthe Patents & Trademark Office "date-stamp" addressee on the reverse side.	hereon and returning this card to the
FILE NO .: MAT (MTS) 520054 FEE	E DUETVES & NO AMT. ENCO. \$220.
NAME: M. OSHIMA	
☐ Copy of Scarch Report PRETIADIA. ☐ Claim to Right of Priority ☐ Response to Missing Parts ☐ Declaration & POA (Drowing(s) (pp.)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Mitsuaki Oshima et al.

: Art Unit:

2134

Serial No.:

10/017,965

: Examiner:

Paul E. Callahan

Filed: For:

December 7, 2001

MARK FORMING APPARATUS,

METHOD OF FORMING LASER MARK ON OPTICAL DISK,

REPRODUCING APPARATUS, OPTICAL DISK AND METHOD

OF PRODUCING OPTICAL DISK

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R, § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the Form PTO-1449 (RP) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

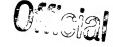
In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese reference is not in the English language:

1) JP 5-234321

Reference 1) includes an English language abstract.

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[6-76-23

MTS-520US4

Reference 1) was cited in an official action by the Korean Patent Office in a patent application corresponding to the above-identified patent application. A copy of this official action, is transmitted herewith.

In the Korean Official Action, the second reference was submitted to the USPTO in a previous IDS filed December 7, 2001. The third reference, a Korean publication corresponds to JP 02-56750, filed February 19, 2003 in an IDS.

CERTIFICATION

The undersigned, an attorney registered to practice before the U.S. Patent and Trademark Office, hereby certifies that each reference disclosed in the subject Supplemental Information Disclosure Statement was cited in a communication (i.e., a search report) from a foreign patent office in a counterpart foreign application not more than three months before the filing of the Supplemental Information Disclosure Statement.

Respectfully submitted,

RatnerPrestia

Allan Rather, Reg

0. 19,717

Jack J. Jankovitz Red No. Attorneys for Applicants

AR:kc

Enclosures:

Form PTO-1449

(1) Reference

Office Action

Dated: April 1, 2003

Suite 301

One Westlakes, Berwyn

P.O. Box 980

Valley Forge, PA 19482-0980

(610) 407-0700

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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FORM PTQ-144 (Rev. 2-32)	9 U.S. DEPARTMENT O		ATTY. DOCKET NO. MTS-520US4	SERIAL NO 10/017,965		
	nformation Disclosu tatement by Applica		APPLICANT Mitsuaki Oshima et al.			
. (Use several sheets if necessar	(y)	FILING DATE December 7, 2001	GROUP 2134		
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FOREIGN PATENT DOCUMENTS

Exmr ; Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO
	5-234321	09/10/93	Japan (with English Abstract)			
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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

(**************************************					
			Korean Patent Office Official Action dated March 5, 2003		
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]				

Examiner	Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USPTO Form 1419 [R&P]

FROM-RatnerPrestia

P.006/029 F-745 T-770

PATENT

MTS-520US4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Mitsuaki Oshima et al.

: Art Unit:

2134

Serial No.:

10/017,965

: Examiner:

Paul E. Callahan

Filed: For:

December 7, 2001

MARK FORMING APPARATUS,

METHOD OF FORMING LASER

MARK ON OPTICAL DISK,

REPRODUCING APPARATUS, OPTICAL DISK AND METHOD

OF PRODUCING OPTICAL DISK

RESPONSE TO OFFICE ACTION **DATED DECEMBER 3, 2002**

Assistant Commissioner for Patents Washington, DC 20231

SIR:

Responsive to the Office Action dated December 4, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Newly added claim 32 (as filed on June 21, 2002) is shown below in proper form (all words are underlined, as claim 32 is new relative to the claims in the Patent). Claim 32 has not been amended.

(Newly Added) An optical disk comprising:

a data zone for recording information readable by light radiation;

a track of spiral shape; and

a barcode pattern formed by a laser on said track.

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- 2 -

Newly added claim 33 (as filed on June 21, 2002) is shown below in proper form (all words are underlined, as claim 33 is new relative to the claims in the Patent). Claim 33 has not been amended.

33. (Newly Added) A method of manufacturing an optical disk comprising the steps of:

forming a track of spiral shape on a substrate of the optical disk; and forming a barcode pattern by a laser on the track.

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REMARKS

In response to the various paragraphs of the Office Action, Applicants offer the following remarks:

- (1) Response. The Office Action indicates that claims 1-30 have been cancelled and claims 31 and 32 have been added. Applicants believe that this is an error, as claims 1-31 have been cancelled and claims 32 and 33 have been added.
- (2) <u>Format</u>. Pursuant to the Examiner's request, Applicants have now shown claims 32-33 in a proper format for a Reissue application. Claims 31-32 are both shown entirely underlined. These claims have not been amended.

The Office Action refers to an amendment filed August 30, 2002. Applicants believe that this is an error, as the only Amendment filed was on June 21, 2002 which cancelled claims 28-31 and added new claims 32-33.

- : (3) Concurrent Proceedings. The Examiner is already aware of the parent Reissue application and Divisional Reissue applications that are concurrently proceeding through the Patent Office with this Divisional Reissue application.
 - (4) Capacity to sign for corporation.

Applicants have now enclosed a better copy of an originally submitted Certificate Under 37 CFR 3.73 (b) in this Application. The title of the signer in the originally submitted Certificate is not clear. In the enclosed copy, the title is more clear. The stamp sets forth his name and title as "General Manager IP Development Center, Authorized Signing Officer". Page 1 of the Certificate sets forth that "The

undersigned is empowered to act on behalf of the assignee." Applicants request that the Office substitute the enclosed copy for the originally submitted copy.

- (5)-(6) <u>Declaration</u>. A Substitute Declaration, updating the errors corrected, is enclosed, as requested by the Office. The Substitute Declaration is a copy of the Substitute Declaration submitted in the parent Reissue application, no. 09/588,364.
- (7) <u>Surrender of Patent</u>. The original patent was surrendered to the Office in the copending Reissue application, no. 09/588,364, on November 22, 2002. As the original patent was lost, Applicants have submitted a communication in the copending (parent) Reissue application, no. 09/588,364, stating that the original patent had been lost (see enclosed copy of a Communication dated December 20, 2002).
- (8)-(9) <u>Double Patenting</u>. The Office has rejected claims 32-33 because they claim the same invention as that of claims 1-12, 36-37 of copending Reissue application, serial no. 09/588,364. Applicants respectfully submit that claims 32-33 include features not found in claims 1-12, 36 and 37 of the copending Reissue application and, therefore, cannot be the same invention for the reasons set forth below.

Claim 32 includes the following features:

- a track of spiral shape; and
- a barcode pattern formed by a laser on the track.

Claim 33 includes the following features:

forming a track of spiral shape on a substrate of the optical disk; and

forming a barcode pattern by a laser on the track.

Claims 1-12, 36 and 37 of the copending Reissue application each includes features not found in either claim 32 or 33. In addition, claims 32 and 33 each includes features not found in any of claims 1-12, 36 and 37. Therefore, these sets of claims are not identical inventions, for the following reasons:

Claim 1 of the copending Reissue application includes at least two features not found in claim 32 or 33, namely "marking position detection means" and "position information output means." Moreover, claim 1 includes "marking forming means for applying at least one mark to the reflective film." Claim 32, on the other hand, includes "a track of spiral shape" and "a barcode pattern formed by a laser on a track". These features in bold are not found in claim 1. Claim 32 does not have identical subject matter with claim 1 and, thus, is not the "same invention" as claim 1. In addition, claim 33 is a method claim, whereas claim 1 is an apparatus claim. Therefore, claim 33 is not the "same invention" as claim 1.

<u>Claims 2-11</u> of the copending Reissue application depend from claim 1 and include additional features that limit claim 1. Consequently, claim 32 or claim 33 cannot be the same invention as claims 2-11 for at least the same reasons set forth above.

Claim 12 of the copending Reissue application includes "laminating the disk and another disk together" and "trimming the reflective film to form at least one marking by a laser on the reflective film". Claim 33, on the other hand, does not include laminating two disks together, and includes "forming a track of spiral shape" and "forming a barcode pattern by a laser on a track." These features in bold are not found in claim 12. Claim 33 is thus not the "same invention" as claim

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12. In addition, claim 32 is an apparatus claim, whereas claim 12 is a method claim. Therefore, claim 32 cannot be the "same invention" as claim 12.

Claim 36 of the copending Reissue application includes "a data zone indicating data signals." Claim 32, on the other hand, includes "a track of spiral shape" and "a barcode pattern formed by a laser on a track." These features in bold are not found in claim 36. Claim 32 is thus not the "same invention" as claim 36. In addition, claim 33 is a method claim, whereas claim 36 is an apparatus claim. Therefore, claim 33 cannot be the "same invention" as claim 36.

Claim 37 of the copending Reissue application includes "forming...a data zone indicating data signals." Claim 33, on the other hand, includes "forming a track of spiral shape" and "forming a barcode pattern by a laser on a track." The features in bold are not found in claim 37. Claim 33 is thus not the "same invention" as claim 37. In addition, claim 32 is an apparatus claim, whereas claim 37 is a method claim. Therefore, claim 32 cannot be the "same invention" as claim 37.

Accordingly, Applicants respectfully submit that claims 32 or 33 of this application are not the same inventions (do not include the same subject matter) as any of claims 1-12, 36 and 37 of the copending Reissue application. Therefore, these sets of claims are not subject to a rejection in view of double patenting based on U.S.C. 101.

In the event that the Examiner rejects claims 32 and 33 in view of double patenting based on the obviousness kind (non-statutory), Applicants terminally disclaim a patent granted based on this application, and have thus enclosed a terminal disclaimer.

-7-

(10)-(11) <u>Section 102 Rejection</u>. The Office rejected claims 32 and 33 as being anticipated by Ikeda. Applicants submit that this rejection is overcome for the reasons set forth below.

Claim 32 includes the following features:

- a track of spiral shape
- a barcode pattern formed by a laser on the track.

Basis for forming a spiral track may be seen, for example, in FIG. 13A. Basis for forming a barcode pattern by a laser may be seen, for example, in FIG. 1 (819 a, b and d).

Ikeda, cited by the Examiner, discloses in FIG. 1, marks on disk 1. The marks contain pits (FIG. 2) indicating data signals. As understood by Applicants, Ikeda forms a reflective film on top of the pits (marks), so that the pits may be readable by an optical detector. Ikeda first forms the pits (marks) and then forms a reflective layer on top of the pits (marks). Ikeda does **not** form marks of a barcode pattern **by a laser**.

Furthermore, Ikeda does not suggest a barcode pattern formed by a laser on a spiral track. The area where Ikeda forms a barcode-like pattern does not have a spiral track. While Ikeda shows a circular barcode-like pattern, he does not show anything like a spiral track. A spiral track is generally formed continuously, without any interruptions. The area that includes the barcode-like pattern (FIG. 1 of Ikeda), however, shows no tracks between successive markings. The area appears to be without spiral tracks.

-8-

Although not the same, claim 33 includes features similar to claim 32 and, therefore, is not subject to rejection in view of Ikeda for the same reasons set forth for claim 32.

Reconsideration of claims 32 and 33 is respectfully requested.

Respectfully submitted,

RatnerPrestia

Allah Ratner, Reg. No. 19,717 Jack J. Jankovitz, Reg. No. 42,690

JJJ:kc

Enclosures:

Substitute Declaration

Communication dated December 20, 2002

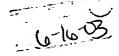
Terminal Disclaimer

Copy of Certificate Under 37 CFR 3.73 (b)

Dated: April 1, 2003

P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Assistant Commissioner for Patents Is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.





PTC/SB/51 (12-97)
Approved for use through 9/30/00, CMS 6/51-0033
Palent and Tratomists Officer U.S. DEPARTMENT OF COMMERCE
Palent and Tratomists Officer U.S. DEPARTMENT OF COMMERCE
Of Reduction Act of 1924, no persons are required to respond to a common of information probes a displays a vest Caus common number. REISSUE APPLICATION DECLARATION BY THE INVENTOR ATS-520US1 As a below named inventor, I hereby declare that My residence, post office address and citizenthip are stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed reissue: patent is sought on the invention entitled MARX FORMING AFFARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK the specification of which is attached hereto. as reissue application number 09 / 588,364 X. was filed on _ · and was amended on (If applicable) I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in I verify believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) by reason of a defective specification or drawing. by reason of the patentee claiming more or less than he had the right to claim in the patent by reason of other errors. At least one error upon which reissue is based is described as follows: Sec. Anachment:

(Page 1 of 2)

Europin Hour Statement: This form is assimated to take 0.5 hours to complete this form will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEEE OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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action of information unless 8 displays 8 valid CMB control number.

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All errors corrects applicant. As a national line applicant as	ed in this reissue application arose wit amed Inventor, I hereby appoint the fo and transact all business in the Patent :	hout any decep Nowing attorney and Trademark	tive intention (8) and/or ag Office conne	on the part of the lent(s) to prosecute cted therewith.
Name(s)	Registration Numb	36r		
Allan Ratner	19,	,717		
Jacques L. Etko	wicz 41,	,738		
	Address: Olrect all communications about t	ne application to:	1 71469 4	usion i 32 33
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Address	P.O. Box 980			
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Country				
Telephone	610-407-0700 hat all statements made herein of my own!	Fax	610-407-07	
application, any pa	U.S.C. 1001, and that such willful false sta atent issuing thereon, or any patent to whit or tiret inventor (given name, family name)	ch this deciaration	n is directed.	iony of the
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inventors signatur	9	Hade Oth	lan	
	to, Japan	Date /	lovember 12	, 2002
Post Office Addres	\$3 115-1, Minamitursumi-cho, Katsura,	. Cltizenship	adanese	
Nishlkyo-ku, Kyote	o-shi, Kyoto 6)5, Japan nd joint inventor (given name, family name	·	<u> </u>	
1 61-11-11-1		Yoshiho Goto	oh	
Inventor's signatur	18 Yoshika Gotoh	Date No	verber 13	2002
Residence Osal	ka, Japan	Cilizenship	apanese	
Post Office Addres	Room 201, 9-17, Higashinkahama	4-chome, Jyoto	-ku, Osaka-s	ihi, Osaka 536, Japan
Full name of third	joint inventor (given name, family name)		-	
Inventor's signatu	ire .	Date		
Residence		Chizenship		
Post Office Addre	155	, ,		
Additional le'	int inventors are named on separately num	nbered sheets an:	.ತದೆ)ed hereto.	

Attachment to PTO/58/51 (12-97) Reissue Application Declaration by the Inventor

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the Inventors did not recognize that the features disclosed in the patent at column 12, lines 30-36 were appropriate to claim. As such, the inventor's did not claim all that they had a right to claim. This error was made without deceptive intent. Specifically, the inventors did not claim any one or more of the features of the reflective layer being trimmed by a laser to form a barcode-like trimming pattern or at least one marking.

More specifically, the inventors did not dalm any one of the features of trimming the reflective layer of an optical disk to form a barcode pattern, where the barcode pattern is formed on a track of the disk. In addition, the inventors did barcode pattern is formed on a track of the disk. not claim any one of the features of trimming the reflective film of an optical disk to form a marking by a laser, where the marking is formed on a track of the disk. These errors were made without deceptive intent.

I hereby dalm foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing data before that of the application on which the priority date is claimed:

Prior Foreign Application(s)

Prior Foreign Application	(Day/Month/Year Filed)	
(Number) 6-283415 7-016153 7-261247	Jabau Jabau Jabau (Conutra)	17/November/1994 02/February/1995 09/October/1995

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IN THE DNITED STATES PATENT AND TRADEMA OFFICE

Applicants: Mitsuaki Oshima et al.

: Art Unit:

2134

Serial No.:

09/588,364

Examiner:

P. E.

Callahan

Filed:

November 17, 1995

For:

MARK FORMING APPARATUS, METHOD OF

FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

COMMUNICATION

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

! .

The undersigned surrendered to the Patent Office on November 22, 2002, an original Letters Patent No. 5,761,301. The original patent was given to Landon and Stark Associates who delivered it to Technology Center 2100.

Proof that the original patent was received in Technology Center 2100 on November 22, 2002 is shown in the attached copy of a postcard.

To the best knowledge of the undersigned, the original patent was delivered to the Technology Center 2100 on November 22, 2002. The Patent Office cannot find this original patent and the undersigned, therefore, believes that the original patent is now lost.

Respectfully Submitted,

RatnerPrestia

Alfan Ratner, Reg. No. Jack 3, Jankovitz, Règ. Attorneys for Applicants

333/fp

Dated: December 20, 2002

Enclosure:

Copy of postcard

Suite 301 One Westlakes, Berwyn P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

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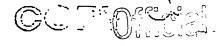
I hereby certify that this correspondence is being hand delivered to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

December 20, 2002

06	-16-2003 09:45	FROM-RatnerPrestia	610 407 0701 T-770 P.018/029 F-745
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Dase: _ December 20 2002
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FILE NO. MATCHTS SOLO US 1 FEE DEPLANT
NAME:
DS and PTG Form 1889 Copy of Search Report Issued Claims (pp.) & Datoffu 2 0 2002 Issued Claims (pp.) &
williams



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: M. Oshima et al.

: Art Unit: 2132

Serial No.: 09/588,364

: Examiner: S. Kabakoff

Filed: June 2, 2000

FOR: MARK FORMING APPARATUS,

METHOD OF FORMING LASER MARK ON

OPTICAL DISK, REPRODUCING

APPARATUS, OPTICAL DISK AND

METHOD OF PRODUCING OPTICAL DISK

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in U.S. Patent No. 5,761,301, which issued from application number 08/560,015, filed on November 17, 1995 by virtue of an assignment from the inventors. The assignment was recorded in the Patent and Trademark Office at Reel 7884, Frame 0122, for which a copy thereof is attached.

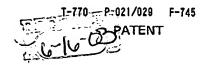
The undersigned has reviewed all the documents in the chain of title from patent application 08/560,015 to U. S. Patent No. 5,761,301 and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

- 2 -

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date	October 1, 2001
Name	: H. Kitagawa
Title	to necessification of Development Center Authorized Signley Officer
Signature	:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Mitsuaki Oshima et al.

: Art Unit:

610 407 0701

2134

Serial No.:

10/017,965

: Examiner:

Paul E. Callahan

Filed: For:

December 7, 2001

MARK FORMING APPARATUS,

METHOD OF FORMING LASER

MARK ON OPTICAL DISK, REPRODUCING APPARATUS,

OPTICAL DISK AND METHOD

OF PRODUCING OPTICAL DISK

TERMINAL DISCLAIMER TO OVERCOME DOUBLE PATENTING REJECTION

Assistant Commissioner for Patents

Washington, D.C. 20231

SIR:

I, Allan Ratner, represent that I am an attorney of record for this invention.

The Assignee is Matsushita Electric Industrial Co., Ltd.

The extent of the interest in this invention that the Assignee owns is in the whole of this invention, by virtue of an assignment from the inventor of U.S. patent application Serial No. 08/560,015, filed November 17, 1995, now United States Patent No. 5,761,301.

The Assignment was recorded on April 10, 1996, Reel 7884, Frame 0122. A copy thereof is attached.

The terminal part of the statutory term of any patent granted on the above-identified application, which would extend beyond the expiration date of the full statutory term of any patent granted on second pending Application No.

I:\MTS\520us4\Terminal Disclolmer.doc

T-770

P.022/029

F-745

- 2 -

09/588,364, filed on June 2, 2000, the term defined in 35 U.S.C. §§ 154 to 156 and 173 is hereby disclaimed, except as provided below. It is agreed that any patent so granted on the above-identified application shall be enforceable only for and during such period that it and any patent so granted on the second pending application shall be commonly owned, this agreement to run with any patent granted on the aboveidentified application and to be binding upon the grantee, its successors or assigns.

In making the above disclaimer, disclaimant does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term (as defined in 35 U.S.C. §§ 154 to 156 and 173) of any patent granted on the second pending application, in the event that any such granted patent: later expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. § 1.321, has all claims cancelled by a reexamination certificate, is reissued, or is terminated prior to expiration of its full statutory term, except for the separation of legal title stated above.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the Assignee identified above.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and

- 3 -

that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

A check in the amount of \$110.00 is enclosed in payment of the required processing fee as set forth in 37 C.F.R. § 1.17.

Respectfully Submitted,

RatnerPrestia

Allan Ratner, Reg. No. 19,717 Attorney for Applicants

AR:kc

Enclosure:

Copy of Assignment Recordation

Dated: April 1, 2003

Suite 301 One Westlakes, Berwyn P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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JUL - 8 1996 RATNER & PRESTIA



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UNITED ST. T. JEPARTMET Patent and Trademark Office JEPARTMENT OF COMMERCE ASSISTANT SECRETARY AND COMMISSIONER DE PATENTS AND TRADEMARKS Washington, D.C. 20231

JUNE 29, 1996

PTAS

RATNER & PRESTIA ALLAN RATNER P.O. BOX .980 500 N. GULPH ROAD VALLEY FORGE, PENNSYLVANIA 19482



1.

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/10/1996

REEL/FRAME: 7884/0122 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OSHIMA, MITSUAKI

DOC DATE: 02/20/1996

ASSIGNOR:

GOTOH, YOSHIHO

DOC DATE: 02/20/1996

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.

1006, OAZA KADOMA, KADOMA-SHI

OSAKA, JAPAN 571

SERIAL NUMBER: 08560015

PATENT NUMBER:

FILING DATE: 11/17/1995

ISSUE DATE:

KEITH GOODE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



No legalization required

6-16-15

whereas, the Assignor, comprising the following named inventors:

Inventors

ASSIGNORS/ INVENTORS

- 1. Mitsuaki OSHIMA
- 2. Yoshiho GOTOH
- 3.
- 4.

TITLE

has made an invention entitled: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE, comprising the following named company:

ASSIGNEE (Full Name and address) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. of 1006 Oaza Kadoma, Kadoma—shi, Osaka 571 JAPAN

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

(Type		(Typed or Printed Name)	(Signature)	(Date)
		1. Mitsuaki OSHIMA 2. Yoshiho GOTOH	1. 7036 Lat 16 Cara March	305. 20, 1996 223. 20, 1996
		3.	·	
		4.		

Application for United States Letters Patent Serial No. 00/303,015 Filed November 17, 1999 Attorney Docket No.: 255-520

COPY J

PATENT

MTS-520US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: M. Oshima et al.

: Art Unit: 2132

Serial No.: 09/588,364

: Examiner: S. Kabakoff

Filed: June 2, 2000

FOR: MARK FORMING APPARATUS,

METHOD OF FORMING LASER MARK ON

OPTICAL DISK, REPRODUCING

APPARATUS, OPTICAL DISK AND

METHOD OF PRODUCING OPTICAL DISK



CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in U.S. Patent No. 5,761,301, which issued from application number 08/560,015, filed on November 17, 1995 by virtue of an assignment from the inventors. The assignment was recorded in the Patent and Trademark Office at Reel 7884, Frame 0122, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title from patent application 08/560,015 to U. S. Patent No. 5,761,301 and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

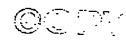
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

- 2 -

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date	October 1, 2001
Name	: H. Kitagawa
Title	tone, is cleaned of Direcomment Center Authorized Signian Officer
Signature	:





PTO/SB/51 (12-97)
Approved for use through \$35000. OMB 0551-0033
Palent and Tradentath Office; U.S. DEPARTMENT OF COMMERCE
The required to respond to a colorion of information unless a displays a wild cast committee.

Under the Paperson's Restriction Act of Transport	Docket Number (Optional)					
REISSUE APPLICATION DECLARATION BY THE INVENTOR	MTS-520US1					
As a below named inventor, I hereby declare that: My residence, post office address and dimenship are stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names ere listed below) of the subject matter which is described and claimed and joint inventor (if plural names ere listed below) of the subject matter which is described and claimed and joint inventor (if plural names ere listed below) of the subject matter which is described and claimed in patent number 5,761,301 granted June 2, 1998 and for which a reissue patent is sought on the invention endded MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK						
the specification of which						
is attached herato. X was filed on	number 09 / 588,364					
· and was amended on((fapplicable)						
•	•					
I have reviewed and understand the contents of the above identified as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to pa 37 CFR 1.56. I verify believe the original patent to be wholly or partly inoperative or below. (Check all boxes that apply.)	tentability as defined in					
by reason of a defective specification or drawing.	·					
by reason of the patentee cialming more or less than he had the	e right to claim in the patent					
by reason of other errors.						
At least one error upon which reissue is based is described as follow Sec. Attachment:	5;					
•						
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[Page 1 of 2]

Burdén Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trudemark Office, Washington, OC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO This ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, OC 20231.

PTO/S8151 (12-97)

Approved for the through 9/20/00, Only 0651-0000

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page				ge 2)		MTS-5201	J81_			
All errors correct applicant. As a n	ed in th amed i nd tran	is reissuo : nventor, 1 h sact all bus	application arose ereby appoint th siness in the Pat	without a le following ent and Tr	adam adam	ceptiv ney(s ark O	re intention of and/or age office connec	in the part(s) to took the	part of the o prosecute crewith.	
applicant. As a named inventor, I hereby appoint the following allothey(s) and to agent a period therewith. This application and transact all business in the Patent and Tradamark Office connected therewith. Registration Number										
Allan Ratner 19,717										
Jacques L. Ekowicz 41,738										
Correspondence Address: Direct all communications about the application to:										
X Customer N	wper				L	1	Code Lai		23122	
ОЯ		Тура	Customer Numbe	r here			<u> </u>	PATE	NY TRADEMARK OFFICE	
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Country										
Teleptione	610-4	07-0700	nada harein of my		Fau		610-407-07			
or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed. Full name of sole or first inventor (given name, family name)										
Inventor's signatu				771.	uaki C	377				
				House		Mile	-		.15	
Rosidence Kyo	το, Ιαρ	an			Date November 12, 2002					
Post Office Addre	ess 115	-3, Minamik Cuam 615 Ti	usumi-cho, Kausur enen	ra, Cit	zenshi		panese			
Fullname of sec	and join	inventor (gi	ven name, family i	name) .						
	· .	·			hiho (Cotol	<u> </u>			
inventor's signati	ire y	mhiha 9	atoh	Dat	e 	Nov	ember 13	, 20	02	
Residence Osaka, Japan			Cit	Citizenship Japanese						
Post Office Address Room 201, 9-17, Hieashinkahama 4-chome, Jyoto-ku, Osaka-shi. Osaka 536. Japan										
Full name of third joint inventor (given name, family name)										
Inventor's signal	dre	,,,		Da	ta		· 			
Residence			Ch	Chizenship						
Post Office Add	ress						<u> </u>			
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Attachment to PTO/SB/51 (12-97) Reissue Application Declaration by the Inventor

At léast one error upon which reissue is based is described as follows:

During the prosecution of the application that Issued as the above patent, the Inventors did not recognize that the features disclosed in the patent at column 12, lines 30-36 were appropriate to claim. As such, the inventor's did not claim all that they had a right to claim. This error was made without deceptive intent Specifically, the inventors did not claim any one or more of the features of the reflective layer being trimmed by a laser to form a barcode-like trimming pattern or at least one marking.

More specifically, the inventors did not claim any one of the features of trimming the reflective layer of an optical disk to form a barcode pattern, where the barcode pattern is formed on a track of the disk. In addition, the inventors did not dalm any one of the features of trimming the reflective film of an optical disk to form a marking by a laser, where the marking is formed on a track of the disk. These errors were made without deceptive Intent.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 355(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing data before that of the application on which the priority date is claimed:

Prior Foreign Application(s)

Prior rollings and		
(Number)	(<u>Country)</u>	(Day/Month/Year Filed)
6-283415	Japan	17/November/1994
7-016153	Japan	02/February/1995
7-261247	Japan	09/October/1995

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FROM-RatnerPrestia

610 407 0701

P.019/029

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

Applicants:

Mitsuaki Oshima et al.

: Art Unit:

2134

P. E.

Serial No .:

09/588,364

Examiner:

Callahan

Filed:

November 17, 1995

For:

MARK FORMING APPARATUS, METHOD OF

FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

COMMUNICATION

Assistant Commissioner for Patents Washington, D.C. 20231

SIR:

The undersigned surrendered to the Patent Office on November 22, 2002, an original Letters Patent No. 5,761,301. The original patent was given to Landon and Stark Associates who delivered it to Technology Center 2100.

Proof that the original patent was received in Technology Center 2100 on November 22, 2002 is shown in the attached copy of a postcard.

To the best knowledge of the undersigned, the original patent was delivered to the Technology Center 2100 on November 22, 2002. The Patent Office cannot find this original patent and the undersigned, therefore, believes that the original patent is now lost.

Respectfully Submitted,

RatnerPrestia

Alfan Ratner, Reg. No. 19 Jack 3- Jankovitz, Reg. No. 42,690 Attorneys for Applicants

JJJ/fp

Dated: December 20, 2002

Enclosure:

Copy of postcard

Suite 301 One Westlakes, Berwyn P.O. Box 980 Valley Forge, PA 19482-0980 (610) 407-0700

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being hand delivered to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

December 20, 2002

06-16-2003 09:37	FROM-RatnerPrestia	610 407 0701	T-770 P.020/029 F-744
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	the Patent and Tradema the addressee indicated of FILE NO. MATAMIS NAME: IDS and 97D Form 144 Copy of refere Status Request Claim To Right of Priori Response to Restrictio Response to Restrictio Prom 1390	receipt of the documents on the reverse side. US	NoReceived NoReceived NoReceived Develop 2 0 2002 Impelies Center 2100 Impelies Cen